

## Rec'd PCTACTOES 14 OCT 2004

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

International A	pplication No.
	10/511505
International Fi	ling Date

Applicant's or agent's file reference (if desired) (12 characters maximum)

·	34323WOP00						
Box No. I TITLE OF INVENTION							
MULTI-ELEMENT SCREENING OF TRACE ELEMENTS							
Box No. II APPLICANT This person is also inventor							
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)							
Diakyne Pty Ltd C/- PH Carey & Co, Level 17, 109 Pitt Street	Facsimile No. (612) 9555 7937						
Sydney, New South Wales 2000	Teleprinter No.						
Australia	Applicant's registration No. with the Office						
State (that is, country) of nationality: AU	State (that is, country) of residence: AU						
This person is applicant for the purposes of:  all designated States the United States the States indicated in except the United States of America only the Supplemental Box of America							
Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER	R) INVENTOR(S)						
Name and address: (Family name followed by given name; for a legal entity, full address must include postal code and name of country. The country of the address is applicant's State (that is, country) of residence if no State of residence is indicated by	indicated in this Box is the						
WATLING, Roger John	57						
6 August Court, Bullcreek Perth, Western Australia 6155	applicant and inventor						
Australia	inventor only (If this check-box is marked, do not fill in below)						
	Applicant's registration No. with the Office						
State (that is, country) of nationality: AU	State (that is, country) of residence: AU						
This person is applicant all designated all designated States the United States the States indicated in except the United States of America only the Supplemental Box of America							
Further applicants and/or (further) inventors are indicated on a co	ontinuation sheet.						
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR	ADDRESS FOR CORRESPONDENCE						
The person identified below is hereby/has been appointed to act on behalf of the applicant(s)  before the competent International Authorities as:  agent common representative							
Name and address: (Family name followed by given name; for a legal entity, full of The address must include postal code and name of country)	fficial designation. Telephone No. (02) 9777 1111						
	Facsimile No. (02) 9241 4666						
BALDWIN SHELSTON WATERS 60 Margaret Street Sydney NSW 2000	Teleprinter No.						
AUSTRALIA .	Agent's registration No.with the Office						
Address Communication							
Address for correspondence: Mark this check-box where no agent o used instead to indicate a special address to which correspondence sho	Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.						

address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no State of residence is indicated below.)    applicant and inventor   applicant and inventor   inventor only (if this check-box is marked, do not fill in below)							
Name and address: (Family name followed by given name; for a legal earthy, full official designation. The applicant 'S. State (flut is, country) of residence if no State of residence is indicated below.)    State (flut is, country) of residence if no State of residence is indicated below.)    State (flut is, country) of residence if no State of residence is indicated below.)    State (flut is, country) of residence if no State of residence is indicated below.)    State (flut is, country) of residence: AU    This person is applicant of the purposes of:   States   S		$\mathcal{L}OR(S)$					
address must include postal code and name of country. The country of the address indicated in this loss is the applicant only   applicant on	If none of the following sub-boxes is used, this sheet should not be included in the request.						
HERBERT, Hugh Keith 4 Niddie Driv Toowoomba, Queensland 4350  Australia    State (that is, country) of mationality:   State (that is, country) of residence:   the States indicated in designated particularly of mationality:   State (that is, country) of residence:   the States indicated in designated particularly of mationality:   State (that is, country) of residence:   the States indicated in designated particularly of mationality:   State (that is, country) of residence:   the States indicated in designated particularly of mationality:   State (that is, country) of residence:   the States indicated in designated particularly of mationality:   State (that is, country) of residence:   the States indicated in designated in designated in designated   states   the United States   the States indicated in designated   states   the United States   the States indicated in designated   states   the United States   the States indicated in designated   states   the United States   the States indicated in designated   states   the United States   the States indicated in designated   states   the United States   the S	address must include postal code and name of country. The country of the address indicated in this Box is the						
Inventor only (If this check-bax is marked, do not fill to below)   Applicant's registration No. with the Office							
Marked, do not fill in below)   Applicant's registration No. with the Office	Toowoomba, Queensland 4350						
State (that is, country) of nationality:  This person is applicant of the purposes of:  States  States	Austrana	marked, do not fill in below)					
This person is applicant for the purposes of:    all designated   States							
Name and address: (Family name followed by given name: for a legel entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant and inventor only (if this check-box is marked, do not fill in below)  State (that is, country) of nationality:  State (that is, country) of residence:  Inits person is applicant and inventor only (if this check-box is marked, do not fill in below)  Applicant's registration No with the Office  State (that is, country) of residence:  Inits person is applicant only gipticant only gi	State (that is, country) of nationality: AU State (that is, country)	of residence: AU					
address must include postal code and name of country. The country of the address indicated in this Box is the applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in helow).  State (that is, country) of nationality:  This person is applicant and inventor only (If this check-box is marked, do not fill in helow)  Applicant's registration No. with the Office of America only of residence if no State of residence is indicated helow.)  This person is applicant and inventor inventor only (If this check-box is marked, do not fill in helow)  Applicant's registration No. with the Office of America only of residence in the States indicated in inventor only (If this check-box is marked, do not fill in helow)  Applicant's registration No. with the Office of America only of residence:  This person is applicant and inventor inventor only (If this check-box is marked, do not fill in helow)  Applicant's State (that is, country) of residence is indicated in this Box is the applicant and inventor inventor only (If this check-box is marked, do not fill in helow)  Applicant's registration No. with the Office inventor only (If this check-box is marked, do not fill in helow)  Appli	for the purposes of:  States  States	<b>==</b> '					
applicant and inventor   applicant and inventor   applicant and inventor   applicant and inventor only (If his check-box is marked, do not fill in below)   Applicant's registration No. with the Office      State (that is, country) of residence:   This person is applicant   all designated   all designated States   the United States   the United States   of America only   the Supplemental Box of America only   applicant   all designated   all designated   all designated   all designated   and designated   and designated   and d		This person is					
inventor only (If this check-box is marked, do not fill in below)							
State (that is, country) of nationality:  State (that is, country) of nationality:  State (that is, country) of nationality:  States all designated states except the United States of America only states indicated in the Supplemental Box of America only of residence:  This person is applicant substance of the United States of America only of residence is indicated in the Supplemental Box of America only of residence if no State of residence is indicated below.)  State (that is, country) of nationality:  This person is applicant and inventor inventor only (if this check-bax is marked, do not fill in below)  Applicant's registration No. with the Office  This person is applicant and inventor inventor only (if this check-bax is marked, do not fill in below)  Applicant's registration No. with the Office  States (that is, c		applicant and inventor					
State (that is, country) of nationality:    State (that is, country) of nationality:   State (that is, country) of residence:    This person is applicant for the purposes of:   States   all designated   states   the United States   the United States   the States indicated in for America only   the Supplemental Box of America only   the Supplemental Box of America only   the States indicated in the Supplemental Box of America only   the States indicated in this Box is the address must include postal code and name of country. The country of the address indicated in this Box is the applicant only   applicant   all designated   states   of America only   applicant only   the Supplemental Box of America only   applicant only   appli		· · ·					
This person is applicant   all designated   all designated States   cxcept the United States   of America only   the Supplemental Box of America only   the States indicated in this Box is the   applicant only   applicant and inventor   inventor only (If this check-box is marked, do not fill in below)   Applicant's registration No. with the Office   the States indicated in the Supplemental Box of America only   the States indicated in the Supplemental Box of America only   applicant only   applican		Applicant's registration No. with the Office					
States   except the United States   of America only   the Supplemental Box	State (that is, country) of nationality:  State (that is, country)	of residence:					
address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no State of residence is indicated below.)    applicant and inventor   applicant and inventor   inventor only (if this check-box is marked, do not fill in below)	for the purposes of:  States except the United States of A						
applicant's State (i.e. country) of residence if no State of residence is indicated below.)    applicant and inventor   applicant and inventor   applicant and inventor only (if this check-box is marked, do not fill in below)   Applicant's registration No. with the Office	Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the	This person is					
inventor only (If this check-box is marked, do not fill in below)  Applicant's registration No. with the Office  State (that is, country) of nationality:  State (that is, country) of residence:  This person is applicant	applicant's State (i.e. country) of residence if no State of residence is indicated below.)	applicant only					
State (that is, country) of nationality:  State (that is, country) of residence:  This person is applicant of the purposes of:  States and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant is State (i.e. country) of residence if no State of residence is indicated below.)  State (that is, country) of residence:  This person is applicant and inventor inventor only (If this check-box is marked, do not fill in below)  Applicant's registration No, with the Office  State (that is, country) of residence:  State (that is, country) of residence:  State (that is, country) of nationality:  State (that is, country) of residence:  This person is applicant and inventor inventor only (If this check-box is marked, do not fill in below)  Applicant's registration No, with the Office		applicant and inventor					
State (that is, country) of nationality:  State (that is, country) of residence:  This person is applicant for the purposes of:  States  all designated states except the United States of America only the Supplemental Box of America only o		· ·					
This person is applicant for the purposes of:  all designated states		Applicant's registration No. with the Office					
States   Sta	State (that is, country) of nationality:  State (that is, country)	of residence:					
applicant's State (i.e. country) of residence if no State of residence is indicated below.)    applicant applicant and inventor   inventor only (If this check-box is marked, do not fill in below)	for the purposes of:  States except the United States of A						
inventor only (If this check-box is marked, do not fill in below)  Applicant's registration No. with the Office  State (that is, country) of nationality:  State (that is, country) of residence:  This person is applicant all designated all designated States the United States the States indicated in except the United States of America only the Supplemental Box of America	address must include postal code and name of country. The country of the address indicated in this Box is the						
This person is applicant all designated all designated States the United States the States indicated in except the United States of America only the Supplemental Box of America		applicant and inventor					
Applicant's registration No. with the Office  State (that is, country) of nationality:  State (that is, country) of residence:  This person is applicant all designated all designated States the United States the States indicated in or the purposes of:  States except the United States of America only the Supplemental Box of America		1 —					
This person is applicant all designated all designated States the United States the States indicated in or the purposes of:  States except the United States of America only the Supplemental Box of America							
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	or the purposes of:  States except the United States of America only the Supplemental Box						
	Further applicants and/or (further) inventors are indicated on a continuation sheet.						

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Box	x No.V	DESIGNATION OF STATES	A	lark th	e applicable check-boxes below; at	least	one m	ust be marked.	
The	followin	ng designations are hereby made under Ri	ıle 4.9	(a)).			•		
Reg	gional F	Patent			•				
Leone, SZ Swaziland, TZ Uni which is a Contracting State of				epublic Iarare I	KE Kenya, LS Lesotho, MW Malav of Tanzania, UG Uganda, ZM Zam Protocol and of the PCT (if other kin	bia, Z d of p	W Zir	nbabwe, and any other State	
⊠	EA	Eurasian Patent: AM Armeni Moldova, RU Russian Federat	specify on dotted line:)						
	EP	European Patent: AT Austria, BE Belgium, BG Bulgaria, CH and LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, HU Hungary, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, RO Romania, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT							
×	OA	GA Gabon, GN Guinea, GQ E TD Chad, TG Togo, and any o	quato ther S	rial Gu tate wi	CF Central African Republic, CG (inea, GW Guinea-Bissau, ML Mali, iich is a member State of OAPI and cify on dotted line):	, MR a Cor	Mauri tractin	tania, NE Niger, SN Senegal, ag State of the PCT (if other	
Nati	ional Pa	atent (if other kind of protection or t	reatm	ent des	ired, specify on dotted line)				
Ø	AE	United Arab Emirates	$\boxtimes$	GM	Gambia	$\boxtimes$	NZ	New Zealand	
Ø	AG	Antigua and Barbuda	$\boxtimes$	HR	Croatia	$\boxtimes$	OM	Oman	
$\boxtimes$	AL	Albania	$\boxtimes$	HU	Hungary	$\boxtimes$	PH	Philippines	
Ø	AM	Armenia	$\boxtimes$	D	Indonesia	$\boxtimes$	PL	Poland	
$\boxtimes$	AT	Austria		IL.	Israel		PT	Portugal	
⊠	ΑU	Australia		IN	India	☒	RO	Romania	
Ø	AZ	Azerbaijan		IS	Iceland	⊠	RU	Russian Federation	
Ø	BA	Bosnia and Herzegovina	⊠	JР	Japan				
Ø	BB	Barbados	Ø	KE	Kenya		SC	Seychelles	
Ø	BG	Bulgaria	$\boxtimes$	KG	Kyrgyzstan		SD	Sudan	
	BR	Brazil		KP	Democratic People's Republic	$\boxtimes$	SE	Sweden	
$\boxtimes$	BY	Belarus		124	of Korea		SG	Singapore	
	BZ	Belize	$\boxtimes$	KR	Republic of Korea		SK	Slovakia	
		Canada		KZ	Kazakhstan		SL	Sierra Leone	
$\boxtimes$	CA	& LI Switzerland and Liechtenstein							
	CH			LC	Saint Lucia		TJ	Tajikistan Turkmenistan	
$\boxtimes$	CN	ChinaColombia		LK	Sri Lanka		TM	Tunisia	
	CO		$\boxtimes$	LR	Liberia	$\boxtimes$	TN		
. <u>M</u>	CR	Costa Rica		LS	Lesotho		TR	Turkey	
$\boxtimes$	CU	Cuba		LT	Lithuania	$\bowtie$	TT	Trinidad and Tabago	
$\boxtimes$	CZ	Czech Republic		LU	Luxembourg	K=21			
$\boxtimes$	DE	Germany	$\boxtimes$	LV	Latvia	$\boxtimes$	TZ	United Republic of Tanzania	
	DK	Denmark		MA	Morocco	$\boxtimes$	UA	Ukraine	
	DM	Dominica	$\boxtimes$	MD	Republic of Moldova		UG	Uganda	
	DZ	Algeria	<b>5</b> 7		Madagascar	$\boxtimes$	US	United States of America	
	EC	Ecuador		MG		678			
$\boxtimes$	EE	Estonia	$\boxtimes$	MK	The former Yugoslav Republic of		UZ	Uzbekistan	
$\boxtimes$	ES	Spain	~		Macedonia	$\boxtimes$	VC	St Vincent and the Grenadines	
	FI	Finland		MN	Mongolia .		VN	Viet Nam	
⊠ . ⊠	GB	United Kingdom		MW	Malawi		YU	Yugoslavia	
⊠	GD	Grenada	$\boxtimes$	MX	Mexico		ZA	South Africa	
$\boxtimes$	GE	Georgia	$\boxtimes$	MZ	Mozambique	$\boxtimes$	ZM	Zambia	

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit).

Norway

Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:

Nicaragua

Ghana NO

 $\boxtimes$ 

 $\boxtimes$ 

NI

Zimbabwe.....

We wish to designate all possible

 $\boxtimes$  zw

Box No. VI PRIORIT	TY CLAIM					
The priority of the followin	g earlier application(s) is hereby c	laimed:	-			
Filing date	Number		Where earlier appl	ication is:		
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional applica regional Offi			
item (1)	PS1772	AU				
16 April 2002 (16.04.02)						
item (2)						
item (3)						
item (4)						
item (5)						
Further priority clair	ns are indicated in the Suppler	nental Box.				
earlier application was file	uested to prepare and transmit to ad with the Office which for the p	o the International Bureau ourposes of this internation	a certified copy of the nal application is the r	earlier application(s) (only if the receiving Office) identified above		
as:  all items it	em (1) item (2)	item (3) i	tem (4)	n (5)  other, see Supplemental Box		
	s is an ARIPO application, indicate of the organization for which that earli			the Protection of Industrial Property		
	TIONAL SEARCHING AUT					
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):  ISA /  Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the						
International Searching Au Date (day/month/year)	thority):  Number Country (or region	onal Office)				
Box No. VIII DECLARA	ATIONS					
<del>-</del>	are contained in Boxes Nos. Vicate in the right column the num			Number of declarations		
Box No. VIII (i)	Declaration as to the identity of	of the inventor	·	:		
Box No. VIII (ii)	Declaration as to the applicant date, to apply for and be grant		ternational filing			
Box No. VIII (iii)	Declaration as to the applicant date, to claim the priority of the		ternational filing	:		
Box No. VIII (iv)	Declaration of inventorship (or United States of America)	nly for the purposes of the	designation of the	:		
Box No. VIII (v)	Declaration as to non-prejudic	ial disclosures or exception	ns to lack of novelty			

Box No. IX CHECK LIST; LA UAGE OF FILING					
This international application contains:  (a) in paper form, the following number of sheets:	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Numbe of item			
request (including 5 declaration sheets)	1.  fee calculation sheet : 2. original separate power of attorney :				
description (excluding 106 sequence listings and/or tables related	3.  original general power of attorney:				
thereto) claims : 5	4 copy of general power of attorney; reference number; if any:				
abstract : 1	5. statement explaining lack of signature				
drawings 2	6. priority document(s) identified in Box No. VI as items(s):				
Sub-total number of sheets : 119	7. translation of international application into				
sequence listings tables related thereto : (for both, actual number of sheets if filed in paper form,	8. separate indications concerning deposited microorganism or other biological material:				
whether or not also filed in computer readable form; see (c) below)  0	9. sequence listing in computer readable form (indicate type and number of carriers)				
Total number of sheets: 119  (b)  only in computer readable form (Section 801(a)(i))  (i) sequence listing	<ul> <li>(i)</li></ul>				
(ii) ☐ tables related thereto	(iii) together with relevant statement as to the identity of the copy or				
(c) ☐ also in computer readable form (Section 801(a)(i)) (i) ☐ sequence listing (ii) ☐ tables related thereto	copies with the sequence listings mentioned in left column:  10. Lables in computer readable form related to sequence listings (indicate type and number of carriers)  (i) copy submitted for the purposes of international search under Section 802 (b-quarter) only (and not as part of international application):				
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the  sequence listings:	(ii) (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802 (b-quarter): (iii) together with relevant statement as to the identity of the copy or copies with the tables mentioned in left column				
(additional copies to be indicated under item 9(ii) and/or 10(ii), in right column)	11. other (specify):				
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: ENGLISH				
	NT OR COMMON REPRESENTATIVE	vast)			
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).  Ivan Rajkovic BALDWIN SHELSTON WATERS					
Date of actual receipt of the purported	For receiving Office use only  2. Drawings:				
international application:  3. Corrected date of actual receipt due to later but					
timely received papers or drawings completing the purported international application:	received				
4. Date of timely receipt of the required corrections under PCT Article 11(2):  5. International Searching Authority (if two or more are competent):	6. Transmittal of search copy delayed until search fee if paid	ved:			
Pate of receipt of the record copy For International Bureau use only y International Bureau:					

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)

The declaration must conform to the standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules 4.17(iv) and 51 bis.1(a)(iv)) for the purposes of the designation of the United States of America:

I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.

This declaration is directed to the international application of which it forms a part (if filing declaration with application).

This declaration is directed to international application No. PCT/AU03/00450 (if furnishing declaration pursuant to Rule 26ter).

I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.

I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, an I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.

Prior Applications:

I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37C.F.R.§ 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief ar believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

	statements may jeopard	lize the validity of the application or any paten	t issued thereon.	•
	Name:	WATLING, Roger John		
	Residence: (city and either US state	Western Australia, Australia e, if applicable, or country)		1
	Mailing Address:	6 August Court, Bullcreek, Perth, Western	Australia 6155, Australia	D. 24/5/2003
	Citizenship:	Australian British		10. 20/5/2003 All Norlos los
	Inventor's Signature:	marc	Date: 2 4 5 Coo?	
-	added under Rule 26ter	request, or if declaration is corrected or after the filing of the international ure must be that of the inventor, not that of	(of signature which is not contained in declaration that is corrected or added unfiling of the international a	nder Rule 26ter after the
	Name:	HERBERT, Hugh Keith		
	Residence: (city and either US state	Queensland, Australia, if applicable, or country)		•
	Mailing Address:	4 Niddrie Drive, Toowoomba, Queensland 4	350, Australia	•
	Citizenship:	Australian		
	added under Rule 26ter:	equest, or if declaration is corrected or after the filing of the international re must be that of the inventor, not that of	Date:  (of signature which is not contained in the declaration that is corrected or added unfilling of the international approximation of the internation of the international approximation of	he request, or of the oder Rule 26ter after the
]	This declaration is	continued on the following sheet, "Continuati	on of Box No. VIII (iv)".	